

X-Sender: lhsmith@animar.wr.usgs.gov
X-Mailer: Windows Eudora Pro Version 3.0 (32)
Date: Mon, 12 Oct 1998 11:07:25 -0700
To: samson@water.ca.gov, mcowin@water.ca.gov
From: "Lawrence H. Smith" <lhsmith@usgs.gov>
Subject: CMARP storage and conveyance elements
Cc: lwintern@water.ca.gov

Dave/Mark:

I've collected 6 CMARP elements that are related in some way (in my mind) to storage and conveyance. They are:

- 1) delta channel bathymetry -- georeferenced (x, y, z) for uncharted or outdated channels. The levees group thinks it is important as well. Given that Francis Chung's already-commissioned survey doesn't cover all needed channels, I think this may be a '99 implementation item for CMARP. I expect a writeup is included in item 6) below.
- 2) streamflow measurement network -- that has to be maintained for project operations, for water quality load calculations, and for valley hydrology and delta hydrodynamics (for now included under water quality, see 4.2.1 in attached wq_sjb6.doc; can fax figs if you request).
- 3) snowmelt runoff forecast -- esoteric (but probably worthwhile) writeup attached (climprop.doc)
- 4) conjunctive use -- monitoring/research now included under water transfers docs (Greg Young has a copy, or can send you one).
- 5) ET associated with wetland restoration -- Dave's idea
- 6) Bay-Delta hydrodynamics -- attached writeup (CMARPHydro.w7.doc) that I just received but have not read (commissioned by CMARP ERP folks, and may be included there)

As for 5), I've let your paper copy get lost among the CMARP crowd and have been unable to get it back. Dave, would you email me another copy? Seems to me that you had another idea which had a similar fate. Was it 1)? Have any other needs/ideas arisen lately that you are aware of?

I expect that most of this material will be in appendices of our main CMARP document, which we hope to have to you for review by mid-Nov. Early comments/suggestions on this material welcome! I hope that one of you can make it to our Bodega Bay integration workshop Oct 20-21.

Thanks,

W

W

W

climprop.doc CMARPHydro.w7.doc CMARP storage and conveyance el.doc

Larry
lhsmith@usgs.gov (916) 278-3195
Sacramento, CA FAX -3199

~~~~~  
~~~~~ U S G S  
~~~~~

science for a changing world

1. Flood Modeling  
2. DSMZ Refinement

+ Near Field data collection  
(So A - CCFB intake modeling)